10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HTR3A Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12192a

Specification

HTR3A Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P46098
Other Accession	NP_998786.2, NP_000860.2, NP_001155244.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**55280**
Antigen Region	**30-58**

HTR3A Antibody (N-term) - Additional Information

Gene ID 3359

Other Names
5-hydroxytryptamine receptor 3A, 5-HT3-A, 5-HT3A, 5-hydroxytryptamine receptor 3, 5-HT-3, 5-HT3R, Serotonin receptor 3A, Serotonin-gated ion channel receptor, HTR3A, 5HT3R, HTR3

Target/Specificity
This HTR3A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-58 amino acids from the N-terminal region of human HTR3A.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HTR3A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HTR3A Antibody (N-term) - Protein Information

Name HTR3A (HGNC:5297)

Synonyms 5HT3R, HTR3

Function Forms serotonin (5-hydroxytryptamine/5-HT3)-activated cation- selective channel complexes, which when activated cause fast, depolarizing responses in neurons.

Cellular Location
Postsynaptic cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23979}. Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23979}

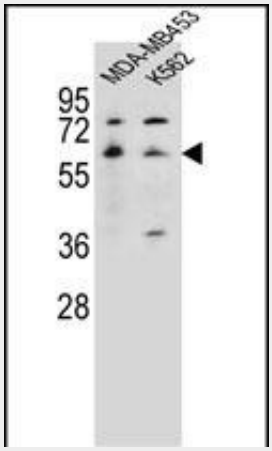
Tissue Location
Expressed in cerebral cortex, amygdala, hippocampus, and testis. Detected in monocytes of the spleen and tonsil, in small and large intestine, uterus, prostate, ovary and placenta.

HTR3A Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HTR3A Antibody (N-term) - Images



HTR3A Antibody (N-term) (Cat. #AP12192a) western blot analysis in MDA-MB453,K562 cell line lysates (35ug/lane).This demonstrates the HTR3A antibody detected the HTR3A protein (arrow).

HTR3A Antibody (N-term) - Background

The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit A of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and response

amplitude. Alternatively spliced transcript variants encoding different isoforms have been identified.

HTR3A Antibody (N-term) - References

Gatt, J.M., et al. Biol. Psychiatry 68(9):818-824(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Gatt, J.M., et al. Depress Anxiety 27(8):752-759(2010)
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Hammer, C., et al. Pharmacogenomics 11(7):943-950(2010)